### **DECLARATION and POWER OF ATTORNEY**

As a below-named in	nventor, I hereby declare that:							
My residence, post office address and citizenship are as stated below next to my name.								
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed								
· ·	below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:							
PURIFICATION	OF TITANIUM TETRACHLORIE	Œ			•			
the specification of v	which is attached hereto unless the f	ollowing	box is checked:					
was filed on 09	January 2004 as U.S. Applicat	ion No		or PCT Internati	ional Application No. PCT/USC	04/00765		
and was am	ended on	(if	applicable).		·	·		
	have reviewed and understand th	ne conte	nts of the above	identified specification	n, including the claims, as amer	ded by any		
amendment referred I acknowledge the d	I to above. uty to disclose information which is I	known to	me to be material	to patentability as de	afined in 37 CFR § 1.56.			
I hereby claim foreig	gn priority benefits under 35 U.S.C.	. § 119(a	ı)-(d) or § 365(b)	of any foreign applica	ation(s) for patent or inventor's o			
	T International application which di checking the box, any foreign applie							
	plication on which priority is claimed	l.	•	iling Date	Priority Claimed (Yes / No)			
Application	m No. Coul	y	, <b>r</b>	mig bate	. Honly Gainled (165 / No)			
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, i		٠.;		•				
I hereby claim the be	enefit under 35 U.S.C. § 119(e) of a		States Provision					
	U.S. Provisional Application N	lo			U.S. Filing Date	-		
·	60/439190			•	09 January 2003			
			•					
	enefit under 35 U.S.C. § 120 of any display and, insofar as the subject							
application or PCT	International Application in the man	ner prov	ided by the first p	aragraph of 35 U.S.	C. § 112, I acknowledge the duty	to disclose		
	known to me to be material to pate the national or PCT International file				came available between the filing	date of the		
Applicati			g Date		Status			
						•		
	RNEY: I hereby appoint the following ademark Office connected therewith		y(s) and/or agent(	s) the power to prose	cute this application and transact	all business		
· · · · · · · · · · · · · · · · · · ·	M. SINNOTT	-		Registration No.:	34,015			
Send corresponden		Ι		rvegisu audir No.,	<del></del>			
telephone calls to:		E. I. du	Pont de Nemoui	rs and Company	Tel. No. (302) 992-4895			
JESSICA	M. SINNOTT	Legal -	Patents gton, DE 19898,		Fax No.			
		L			(302) 992-4773			
	at all statements made herein of my er that these statements were made							
or imprisonment, or	both, under Section 1001 of Title 18							
or the application or	any patent issuing thereon.	-	INVENTOR(S)	· · ·		•		
Full Name	Last Name		First Name		Middle Name	· · · · · · · · · · · · · · · · · · ·		
of inventor	CRONIN		JAMES		TIMOTHY			
	Signature (please sign full name):			·	Date:			
Residence &	City		State or Foreign	Country	Country of Citizenship			
Citizenship Post Office	TOWNSEND Post Office Address	-	DELAWARE	<del></del>	US State or Country	Zin Code		
Address	188 GREEN GIANT ROAD		City TOWNSEND		DELAWARE	Zip Code 19734		
''								

		INVENTOR(S)	200.00 1	
Full Name	Last Name	First Name	Middle Name	
of Inventor	ELKINS  Signature (please sign full name):	THOMAS	SHIELDS Date:	
	· Signature (please sign full flame).		Date.	
Residence &	City	State or Foreign Country	Country of Citizenship	
Citizenship Post Office	WAVERLY Post Office Address	TENNESSEE	US	17:01
Address	488 GREGSON PLACE	City WAVERLY	State or Country TENNESSEE	Zip Code 37185
Full Name of Inventor	Last Name HELBERG	First Name	Middle Name EDITH	
	Signature (please sign full name):	lberg	Date: 6-16-20	05
Residence &	City	state or Foreign Country	Country of Citizenship	
Citizenship Post Office	MIDDLETOWN DE.	DELAWARE	US	T=
Address	Post Office Address 111 BARNACLE COURT	City MIDDLETOWN	State or Country DELAWARE	Zip Code 19709
Full Name of Inventor	Last Name MIRABELLA	First Name STEVE	Middle Name EDWARD	
	Signature (please sign full name):		Date:	
Residence & Citizenship	City NEW JOHNSONVILLE	State or Foreign Country TENNESSEE	Country of Citizenship US	æ.
Post Office Address	Post Office Address 613 BLUE HERON COVE	City NEW JOHNSONVILLE	State or Country TENNESSEE	Zip Code 37134
Full Name of Inventor	Last Name MERKLE, JR.	First Name JAMES	Middle Name ELLIOTT	
	Signature (please sign full name):		Date:	· · ·
Residence & Citizenship	City LONG BEACH	State or Foreign Country TENNESSEE	Country of Citizenship US	
Post Office Address	Post Office Address 20289 HAYIES ROAD	City LONG BEACH	State or Country TENNESSEE	Zip Code 39560
Full Name of Inventor	Last Name	First Name	Middle Name	- <u> </u>
	Signature (please sign full name):		Date:	
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State or Country	Zip Code
Full Name of Inventor	Last Name	First Name	Middle Name	
	Signature (please sign full name):	·,	Date:	
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State or Country	Zip Code

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# d PCT/PTO 20 JUL 2005 0 / 589718

Docket Number: CH2883 US PCT

### **DECLARATION and POWER OF ATTORNEY**

As a below-named in	nventor, I hereby declare that:							
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•	vhich is attached hereto unless the f  January 2004 as U.S. Applicat			or PCT Internal	tional Application NoPCT/US	04/00765		
and was am	•		applicable).			•		
I hereby state that amendment referred	have reviewed and understand the local to above.	ne conte	nts of the above	•	•	nded by any		
	uty to disclose information which is							
§ 365(a) of any PC identified below, by	gn priority benefits under 35 U.S.C T International application which of checking the box, any foreign appli- plication on which priority is claimed	lesignate cation fo	d at least one co	ountry other than the	e United States, listed below an	d have also		
Application			, F	iling Date	Priority Claimed (Yes / No)			
•					HH			
· .	, , ,	٠.:						
I hereby claim the b	enefit under 35 U.S.C. § 119(e) of a	ny United	States Provision	al Application(s) liste	d below.			
	U.S. Provisional Application N	io.			U.S. Filing Date	/		
	60/439190				09 January 2003			
	*			•		•		
United States, listed application or PCT information which is	enefit under 35 U.S.C. § 120 of any delement of below and, insofar as the subject International Application in the mark known to me to be material to pate the national or PCT International files.	t matter iner prov entability ling date	of each of the cla ided by the first p as defined in 37	aims of this application paragraph of 35 U.S. CFR § 1.56 which be	on is not disclosed in the prior L.C. § 112, I acknowledge the dut	Inited States y to disclose		
Applicati	on 110.	Fun	y Date		·	•		
	•							
POWER OF ATTOR	RNEY: I hereby appoint the following	a attorno	v/s) and/or agent/	s) the newer to prope	coute this application and transport	t all business		
	ademark Office connected therewith		y(s) and/or agent(	s) the power to prose	ecute triis application and transact	ali busilless		
Name: JESSICA	M. SINNOTT	<b>,</b>		Registration No.:	34,015			
Send correspondent telephone calls to:	ce and direct				Tel. No.			
· ·	. M. ŚINNOTT	E. I. du   Legal -	Pont de Nemoui Patents	rs and Company	(302) 992-4895 Fax No.			
	TW. SININOTT	Wilmin	gton, DE 19898,	U.S.A.	(302) 992-4773	•		
to be true; and furth or imprisonment, or	at all statements made herein of my er that these statements were made both, under Section 1001 of Title 11 any patent issuing thereon.	with the	knowledge that v	villful false statement	s and the like so made are punis	hable by fine		
			INVENTOR(S)					
Full Name of Inventor	Last Name CRONIN		First Name JAMES		Middle Name TIMOTHY			
	Signature (please sign full name):			•	Date:			
Residence & Citizenship	City TOWNSEND		State or Foreign DELAWARE	Country	Country of Citizenship US			
Post Office	Post Office Address		City	· · · · · · · · · · · · · · · · · · ·	State or Country	Zip Code		
Address	188 GREEN GIANT ROAD	·	TOWNSEND		DELAWARE	19734		

Docket Number:	CH2883 I	IS PCT

		INVENTOR(S)				
Full Name of Inventor	Last Name ELKINS	First Name THOMAS	Middle Name SHIELDS			
	Signature (please sign full name):	Date:	Date:			
Residence & Citizenship	City WAVERLY	Country of Citizenship US				
Post Office Address	Post Office Address 488 GREGSON PLACE	City WAVERLY	State or Country TENNESSEE	Zip Code 37185		
Full Name of Inventor	Last Name HELBERG	First Name LISA	Middle Name EDITH	<u> </u>		
	Signature (please sign full name):	. (	Date:			
Residence & Citizenship	City MIDDLETOWN	State or Foreign Country DELAWARE	Country of Citizenship US			
Post Office Address	Post Office Address 111 BARNACLE COURT	City MIDDLETOWN	State or Country DELAWARE	Zip Code 19709		
Full Name of Inventor	Last Name MIRABELLA	First Name STEVE	Middle Name EDWARD	EDWARD		
	Signature (please sign full name):		Date:			
Residence & Citizenship	City NEW JOHNSONVILLE	State or Foreign Country TENNESSEE	Country of Citizenship US			
Post Office Address	Post Office Address 613 BLUE HERON COVE	NEW JOHNSONVILLE	State or Country TENNESSEE	Zip Code 37134		
Full Name of Inventor	Last Name MERKLE, JR.	First Name JAMES	Middle Name ELLIOTT			
	Signature (please sign full pande):	the Muly 1-	Date: 6/20/	2005		
Residence & Citizenship	City LONG BEACH TN	State or Foreign Country TENNESSEE	Country of Citizenship US	<u> </u>		
Post Office Address	Post Office Address 20289 HAYIES ROAD	City LONG BEACH	State or Country TENNESSEE	Zip Code 39560		
Full Name of Inventor	Last Name	First Name	Middle Name	<u> </u>		
or inventor	Signature (please sign full name):		Date:	Date:		
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship			
Post Office Address	Post Office Address	City	State or Country	Zip Code		
Full Name of Inventor	Last Name	First Name	Middle Name			
	Signature (please sign full name):	Signature (please sign full name):				
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Rev. 06/95

Docket Number: CH2883 US PCT

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A							
As a below-named inventor, I hereby declare that:							
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PURIFICATION	OF TITANIUM TETRACHLORIDE	•	111				
•	which is attached hereto unless the foll	•			•		
was filed on 09	January 2004 as U.S. Application	n No		or PCT Internation	al Application No. PCT/US	04/00765	
and was an	ended on	(if	applicable).				
I hereby state that	I have reviewed and understand the	conte	nts of the above	identified specification,	including the claims, as amer	ided by any	
amendment referre					-d i- 07 OFD 6 4 50		
	luty to disclose information which is kn gn priority benefits under 35 U.S.C. §					artificate or	
§ 365(a) of any PC	T International application which des checking the box, any foreign applica	signate	d at least one co	ountry other than the U	Inited States, listed below an	d have also	
before that of the ap	oplication on which priority is claimed.	٠,		iling Date	Priority Claimed (Yes / No)		
Аррисац	or No.	,	• '	iiiig Date	Thoney claimed (res / No)		
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I hereby claim the b	enefit under 35 U.S.C. § 119(e) of any	United	States Provision	al Application(s) listed be	elow.		
. •	U.S. Provisional Application No.			• • • • • •	S. Filing Date		
	60/439190			. 09	January 2003		
	•						
United States, liste application or PCT information which is	enefit under 35 U.S.C. § 120 of any Uid below and, insofar as the subject n International Application in the manner known to me to be material to patent the national or PCT International filing on No.	natter of proving tability grade gra	of each of the cla rided by the first p as defined in 37 (	ims of this application in paragraph of 35 U.S.C. CFR § 1.56 which becar	s not disclosed in the prior U § 112, I acknowledge the duty	nited States to disclose	
					•		
	RNEY: I hereby appoint the following a ademark Office connected therewith:	attorne	y(s) and/or agent(	s) the power to prosecut	te this application and transact	all business	
	M. SINNOTT			Registration No.: 34	J.015		
Send corresponden				registration res. 34	·		
telephone calls to:		E. I. du	Pont de Nemour	s and Company	Tel. No. (302) 992-4895		
JESSICA	M SINNOTT	.egal -	Patents		Fax No.		
		Vilmin	gton, DE 19898,	U.S.A.	(302) 992-4773		
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			INVENTOR(S)				
Full Name	Last Name	7	First Name		Middle Name		
of Inventor	CRONIN/		JAMES	<del></del>	IIMOTHY		
	Signature blease signal name:	_			Date: 6/24/05		
Residence &	City TOWNSEND		State or Foreign	Country	Country of Citizenship		
Citizenship Post Office	TOWNSEND DE		DELAWARE City		US State or Country	Zip Code	
Address	188 GREEN GIANT ROAD		TOWNSEND		DELAWARE	19734	
						''''	
					<u></u>		

Additional Inventors are being named on separately numbered sheets attached hereto.

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		INVENTOR(S)	,	
Full Name of Inventor	Last Name <u>ELKINS</u>	First Name <u>THOMAS</u>	Middle Name SHIELDS	
	Signature (please sign full name):  Thomas Shriells Ellarins  Date: 6/1			ØØ.\$
Residence & Citizenship	City WAVERLY TN	State or Foreign Country TENNESSEE	Country of Citizenship US	
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Full Name of Inventor	Last Name MERKLE, JR.	First Name JAMES	Middle Name ELLIOTT	<del> L</del>
	Signature (please sign full name):		Date:	
Residence & Citizenship	City LONG BEACH	State or Foreign Country TENNESSEE	Country of Citizenship US	
Post Office Address	Post Office Address 20289 HAYIES ROAD	City LONG BEACH	State or Country TENNESSEE	Zip Code 39560
Full Name of Inventor	Last Name	First Name	Middle Name	
	Signature (please sign full name):		Date:	
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State or Country	Zip Code
Full Name of Inventor	Last Name	First Name	Middle Name	<u></u>
	Signature (please sign full name):	I	Date:	
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State or Country	Zip Code

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		•						
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amendment referred	I have reviewed and understand the document of					ded by any		
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before that of the ap Application	optication on which priority is claimed on No. Cour		Fi	iling Date	Priority Claimed (Yes / No)	_		
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r nereby claim the b	enefit under 35 U.S.C. § 119(e) of a U.S. Provisional Application N		States Provision		elow. .S. Filing Date			
	60/439190				January 2003			
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United States, listed application or PCT information which is	d below and, insofar as the subject International Application in the man s known to me to be material to pate the national or PCT International file	matter of mer proventability	of each of the cla ided by the first p as defined in 37 (	nims of this application paragraph of 35 U.S.C. CFR § 1.56 which because	is not disclosed in the prior Un § 112. I acknowledge the duty	nited States to disclose		
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Name: JESSICA	M. SINNOTT			Registration No.: 34	4,015			
Send corresponden telephone calls to:	ce and direct				Tel. No.			
	M CININOTT		Pont de Nemour Patents	rs and Company	(302) 992-4895			
JESSICA	M. SINNOTT		gton, DE 19898,	U.S.A.	Fax No. (302) 992-4773			
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			INVENTOR(S)					
Full Name of Inventor	Last Name CRONIN		First Name JAMES		Middle Name TIMOTHY	,		
	Signature (please sign full name):				Date:			
Residence & Citizenship	City TOWNSEND		State or Foreign DELAWARE	Country	Country of Citizenship US			
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Address	188 GREEN GIANT ROAD		TOWNSEND		DELAWARE	19734		